

1/54

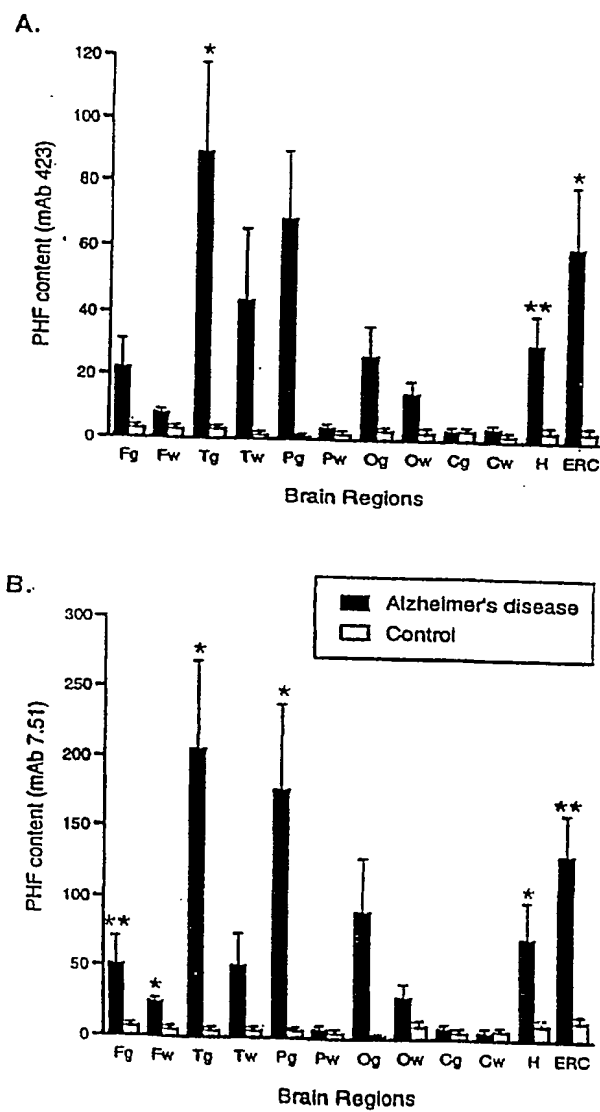


Figure 1

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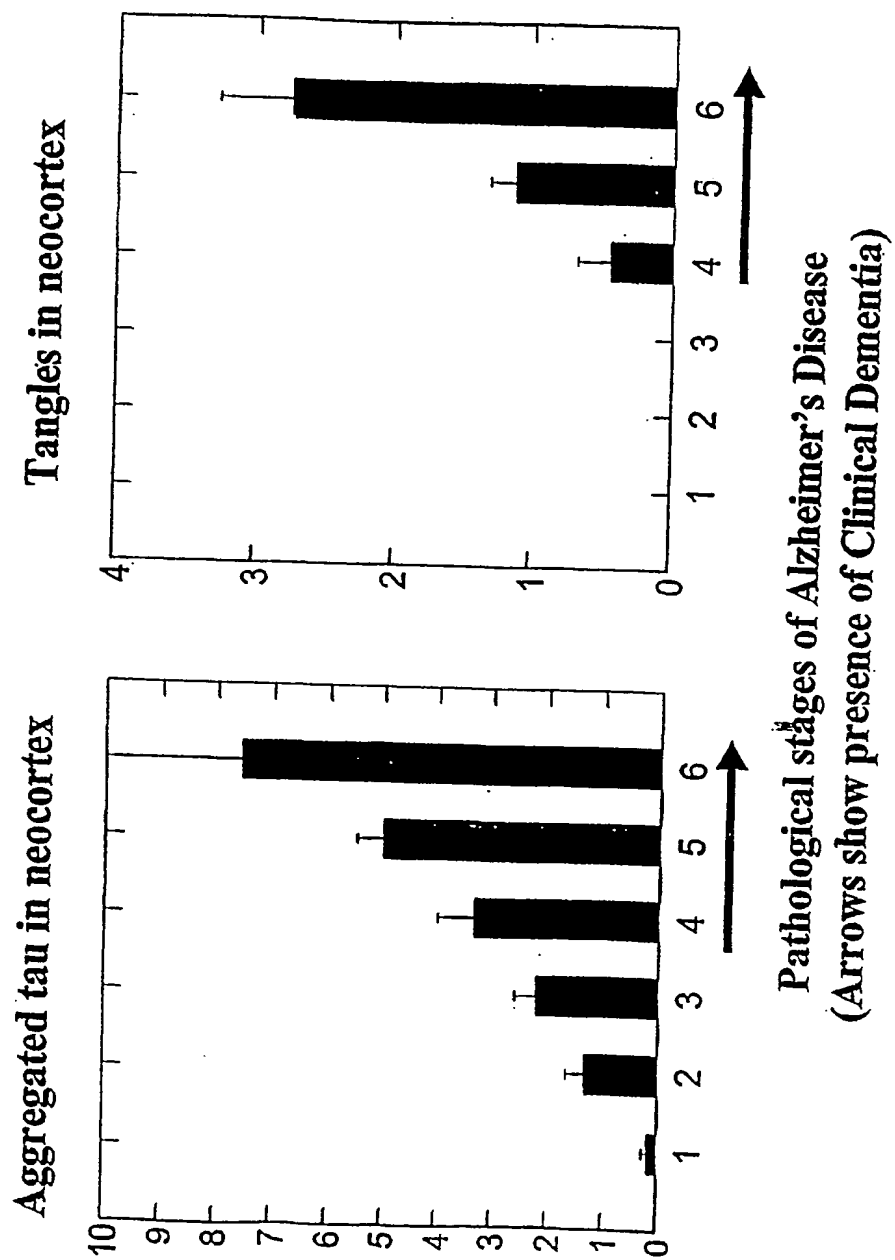


Figure 2a

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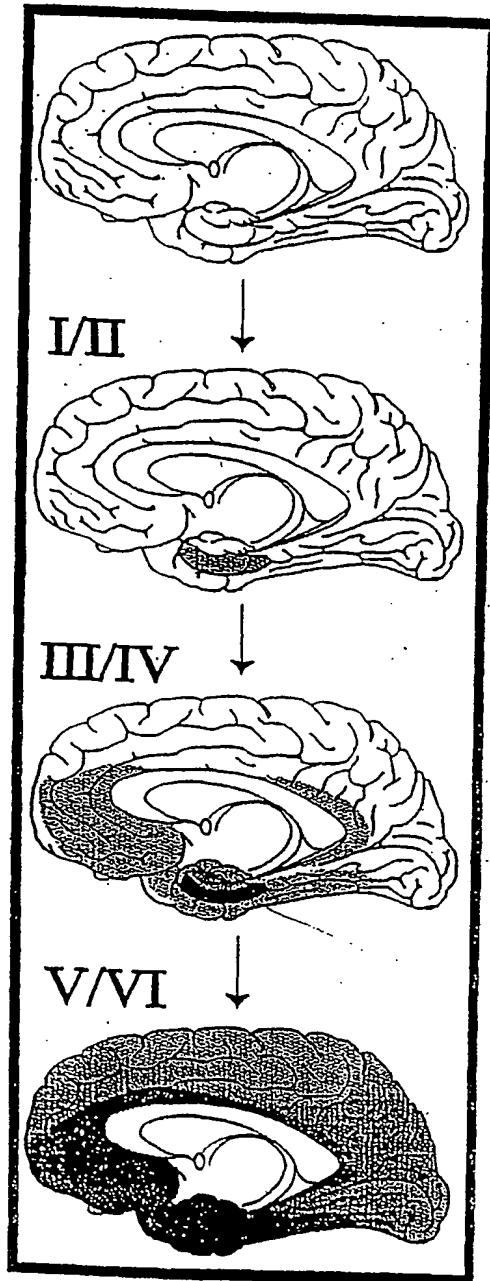


Figure 2b

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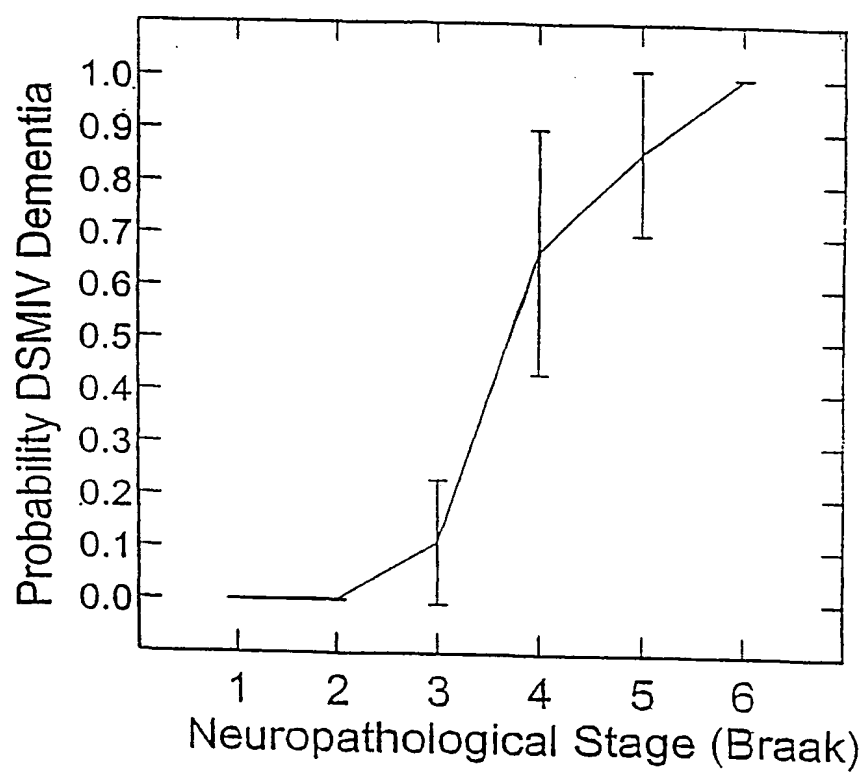


Figure 2c

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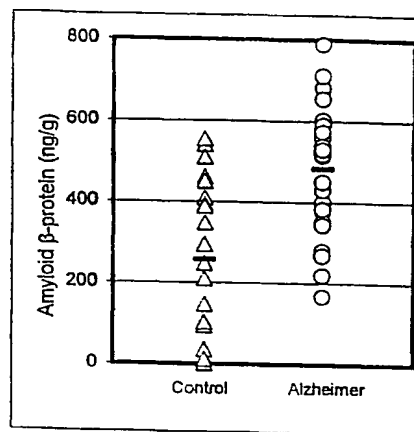


Figure 2d

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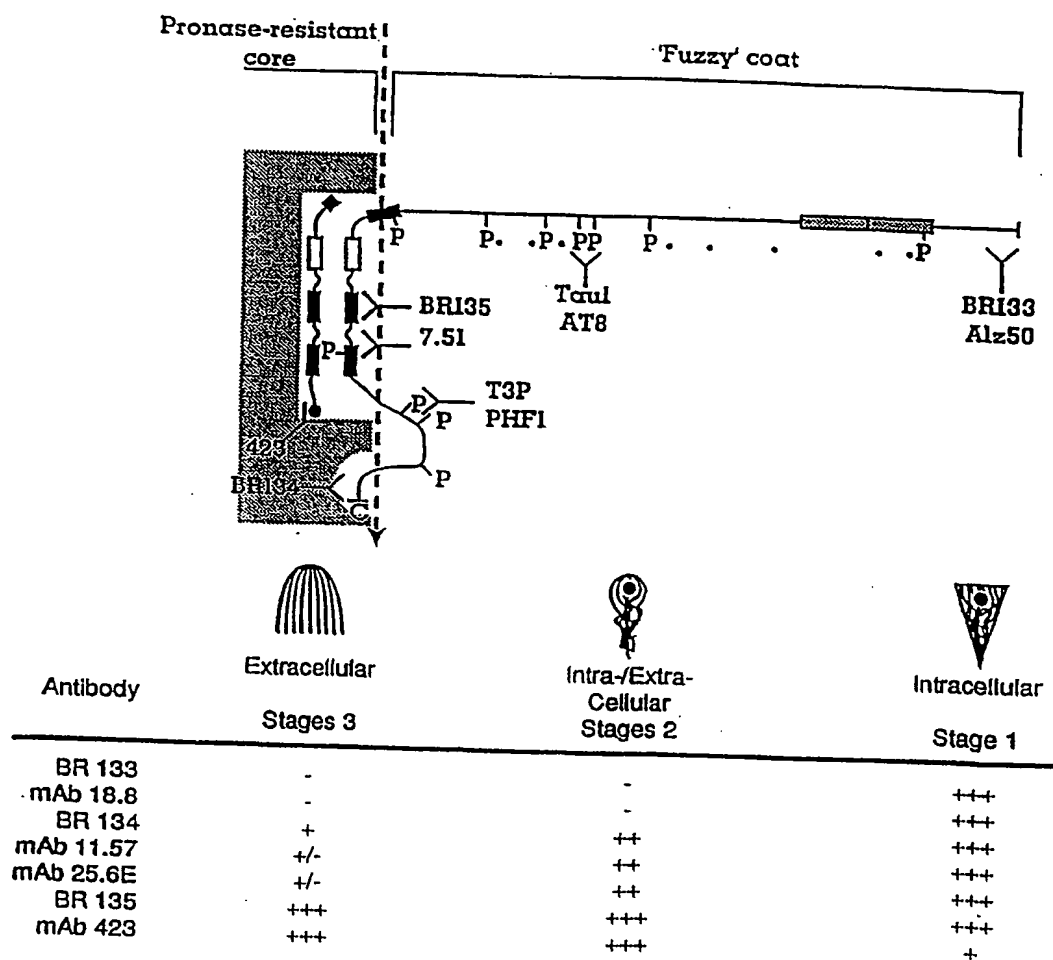
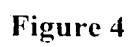


Figure 3



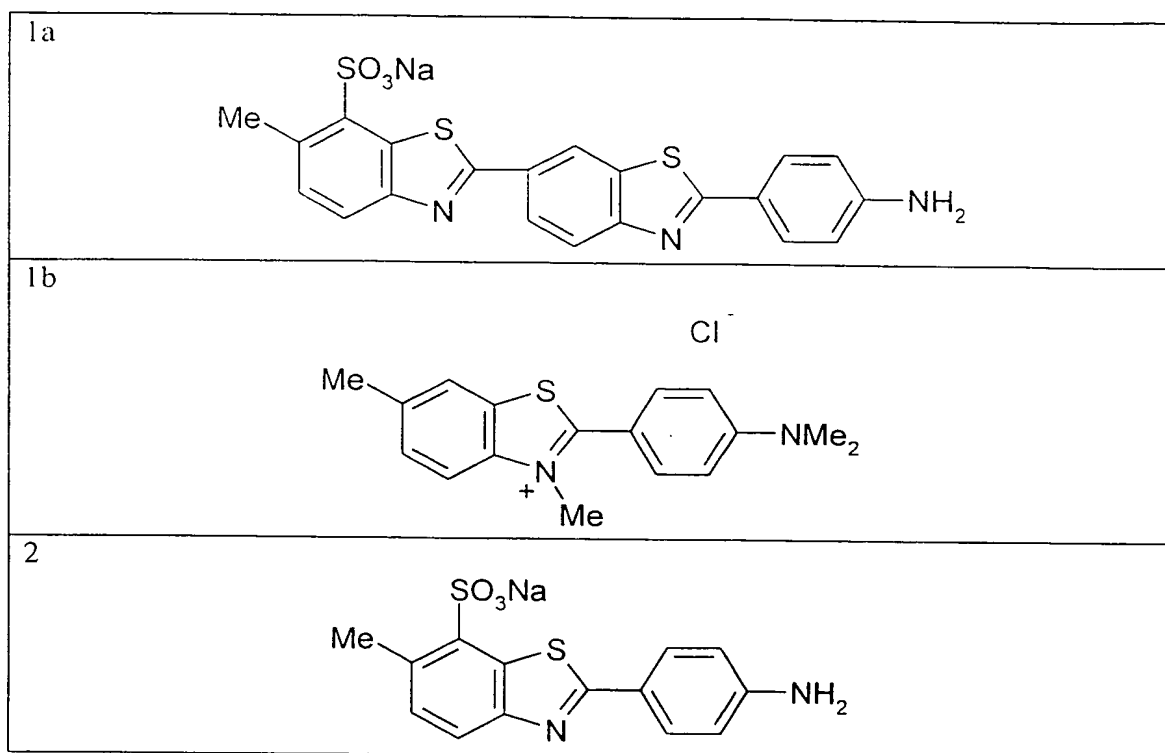
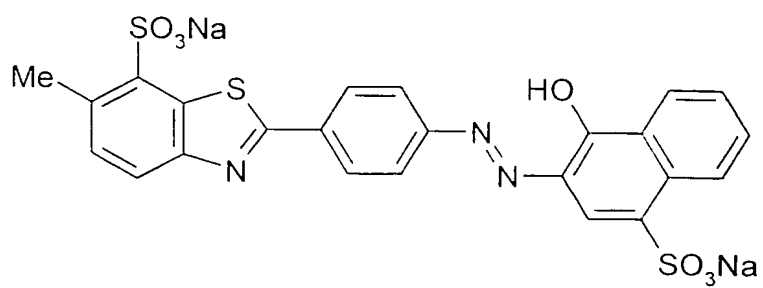


Figure 5

3a



3b

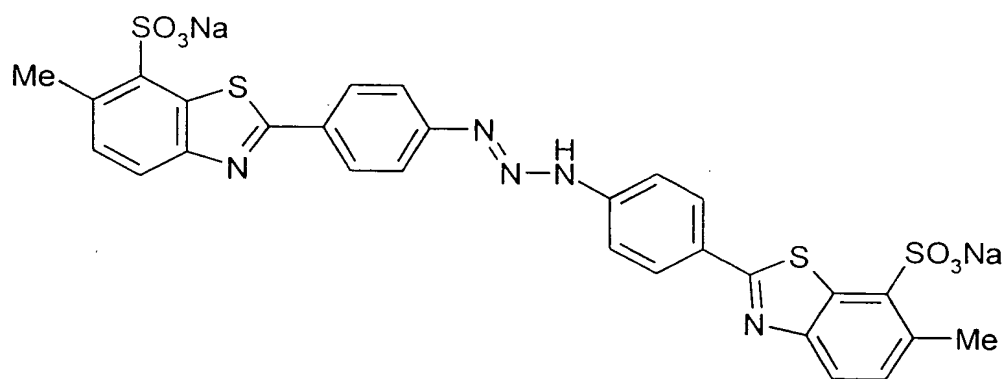


Figure 5 cont ...

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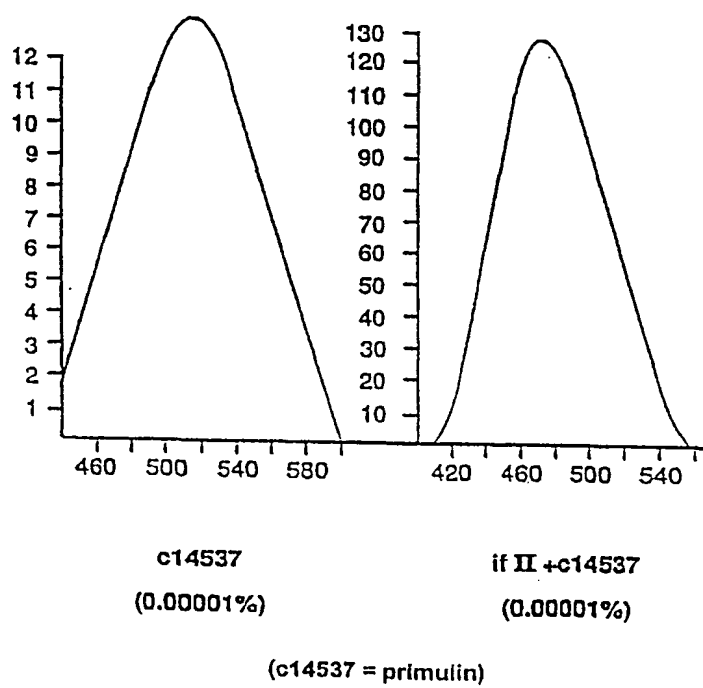


Figure 6

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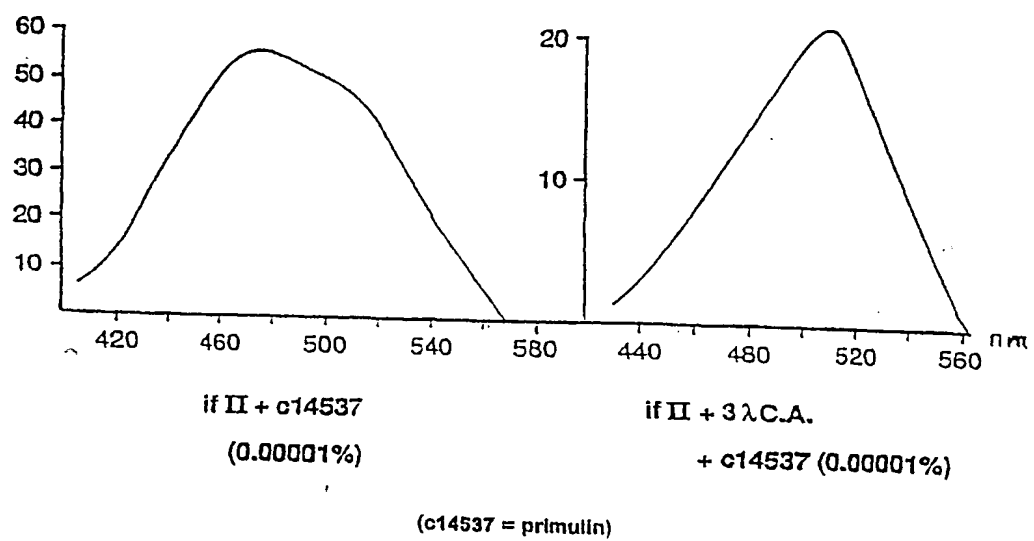


Figure 7

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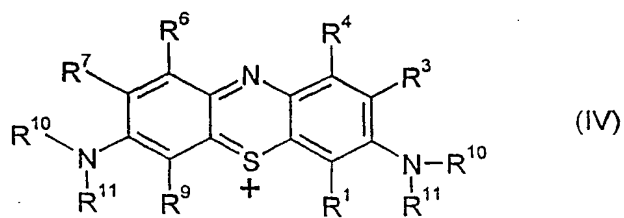
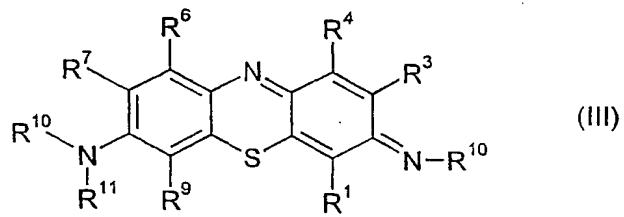
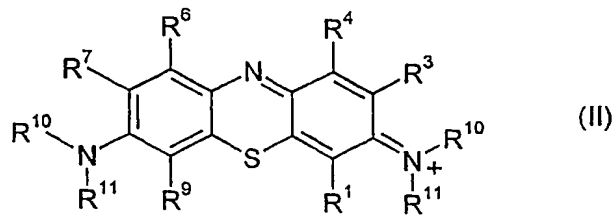
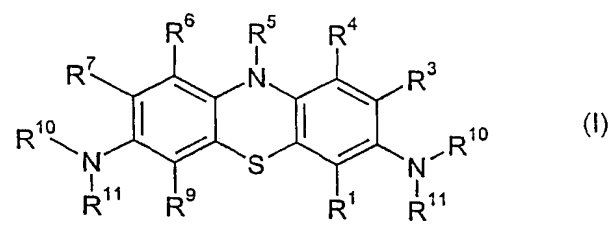


Figure 8a

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Diamino phenothiazines with varying methyl groups

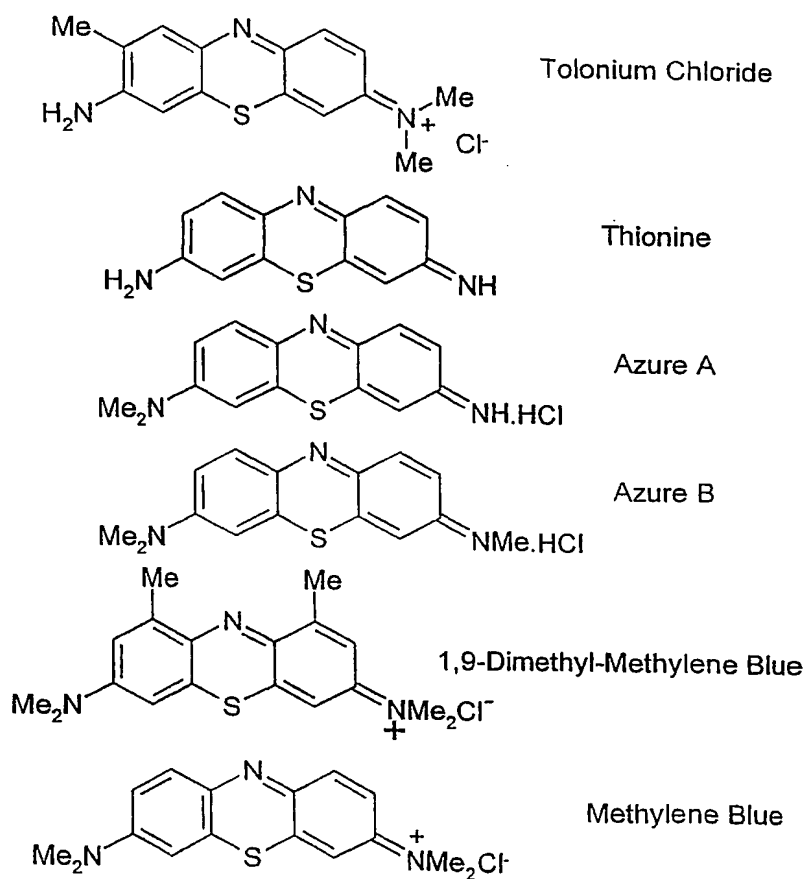
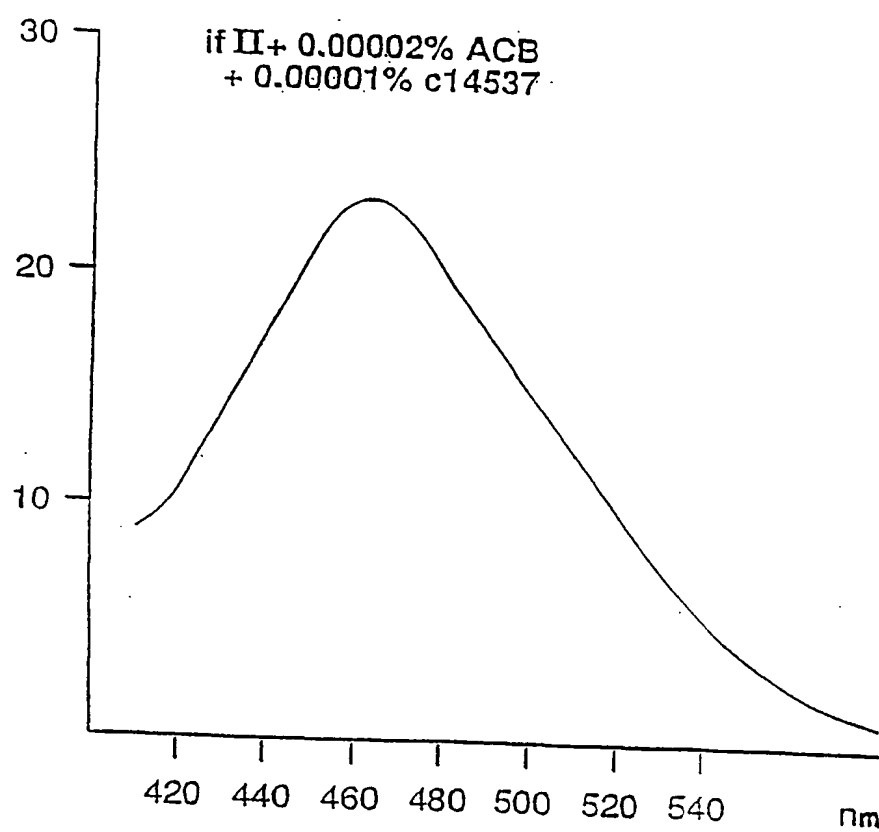


Figure 8b

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(ACB = Alcian Blue, c14537 = primulin)

Figure 9

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Tau-tau binding vs Molar Ratio (compound:tau)
Thionine vs PHF-ligands

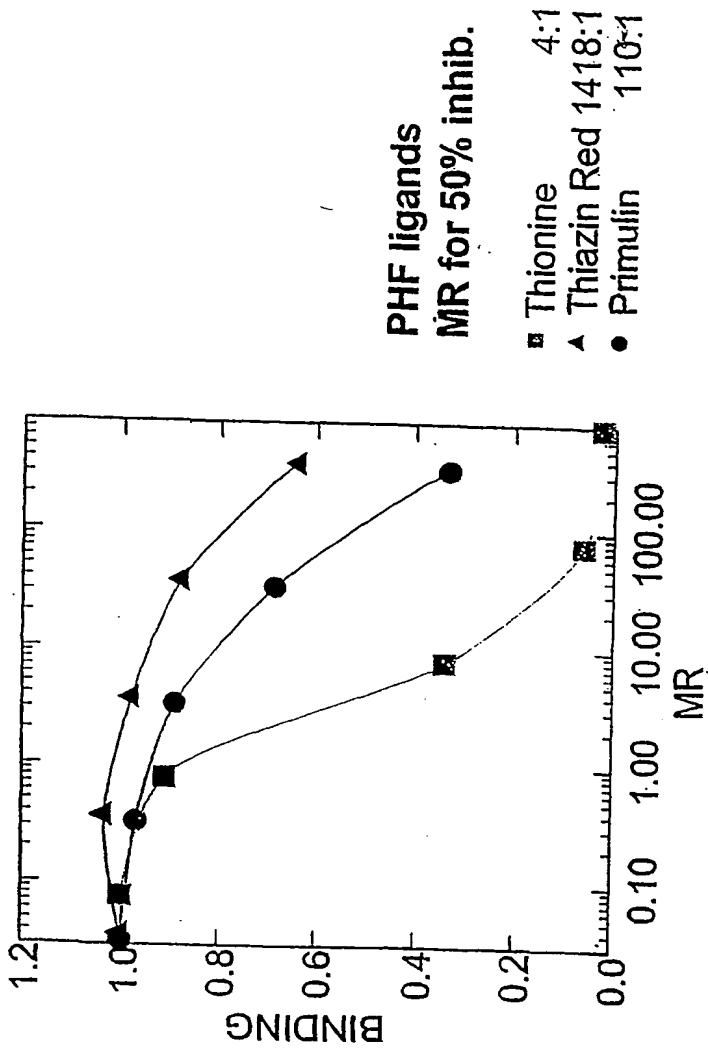


Figure 10

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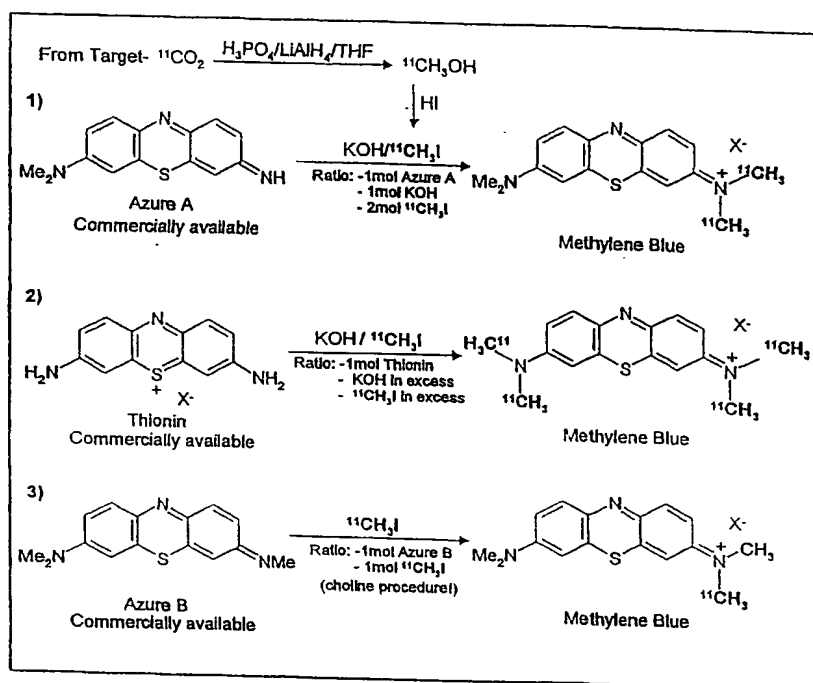
Synthesis of [^{11}C] labelled Methylene Blue

Figure 11a

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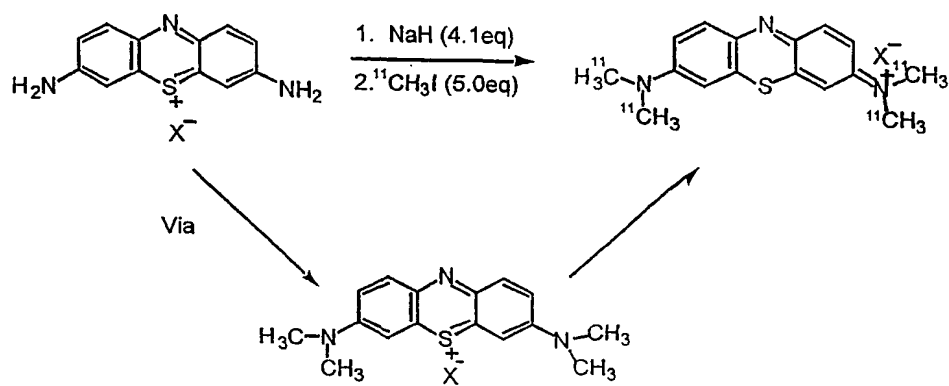


Figure 11b

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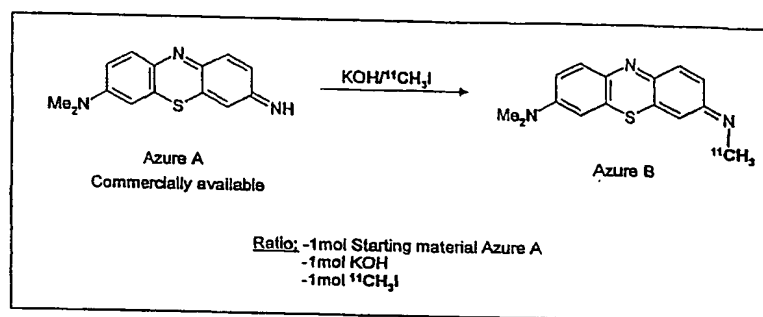
Synthesis of [^{11}C] labelled Azure B

Figure 12

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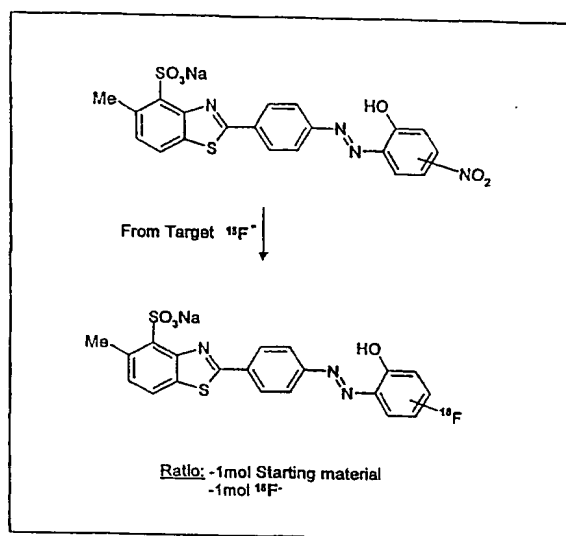
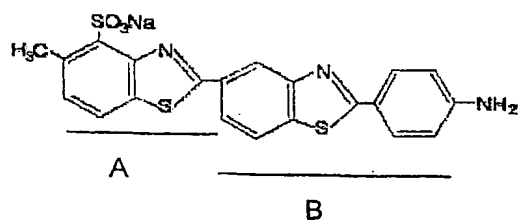
Synthesis of [^{18}F] labelled

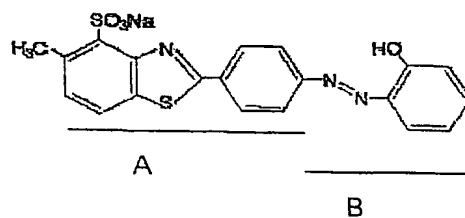
Figure 13

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Primulin



Benzothiazole analogue



Thiazin yellow

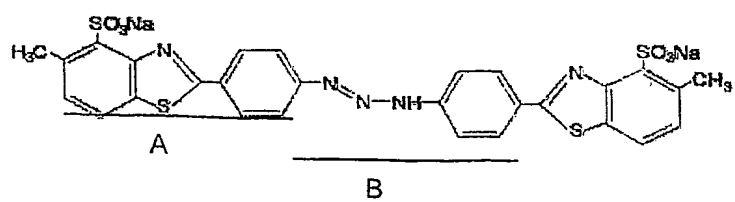


Figure 14

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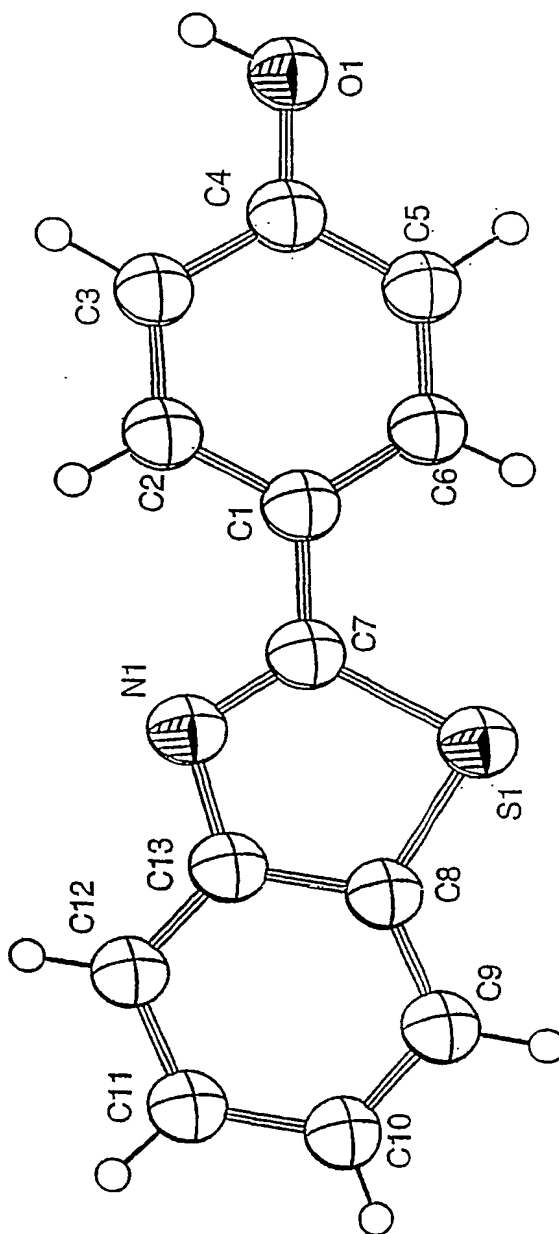


Figure 15

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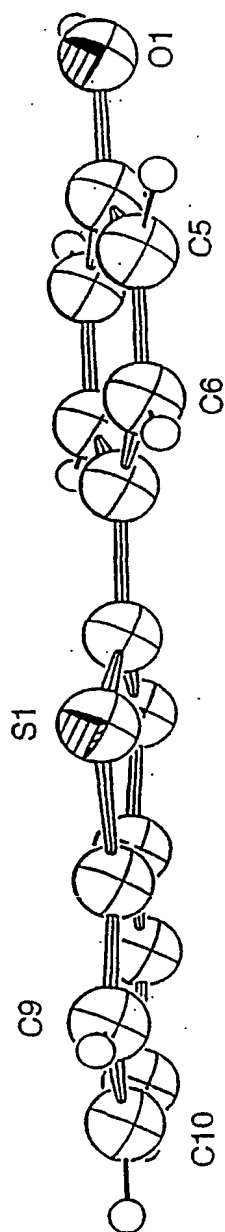


Figure 16

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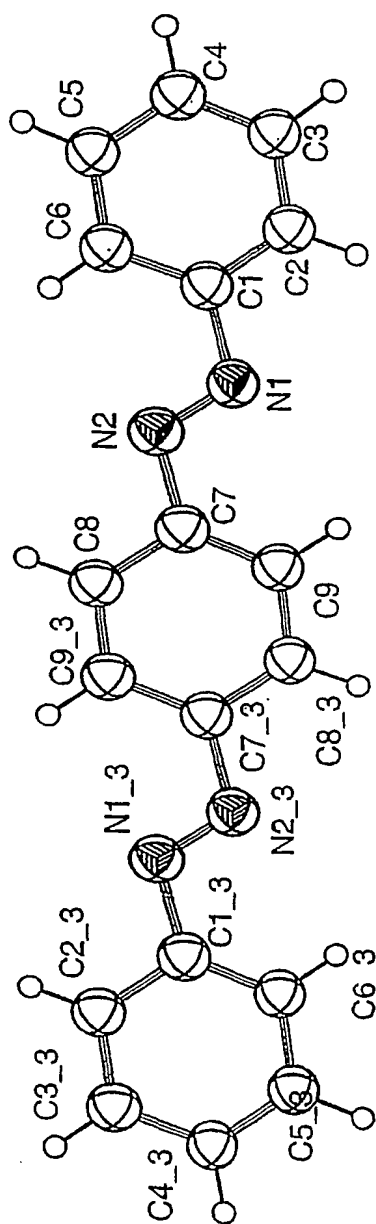


Figure 17

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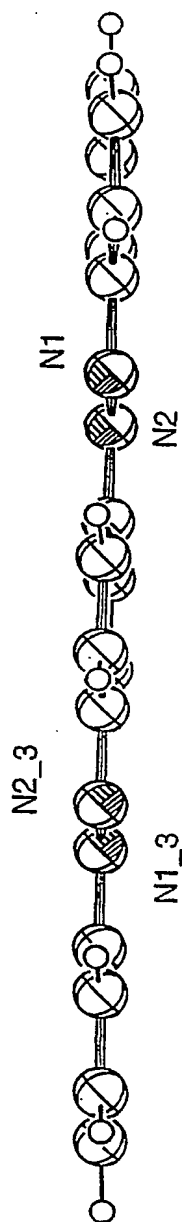


Figure 18

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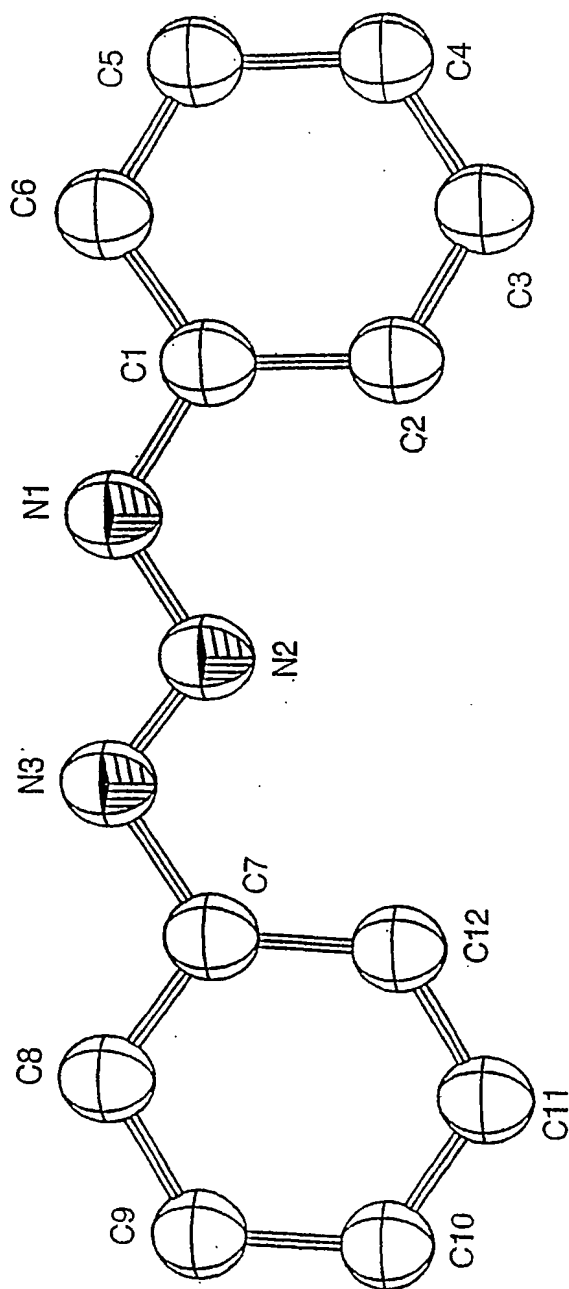


Figure 19

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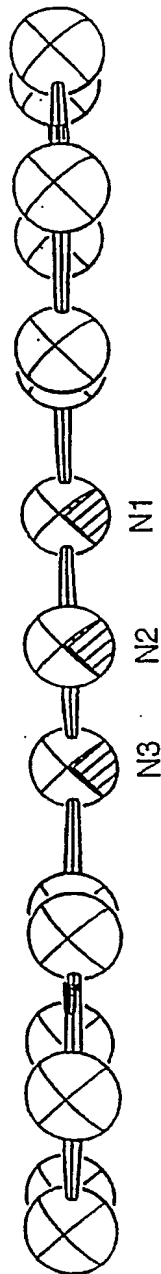


Figure 20

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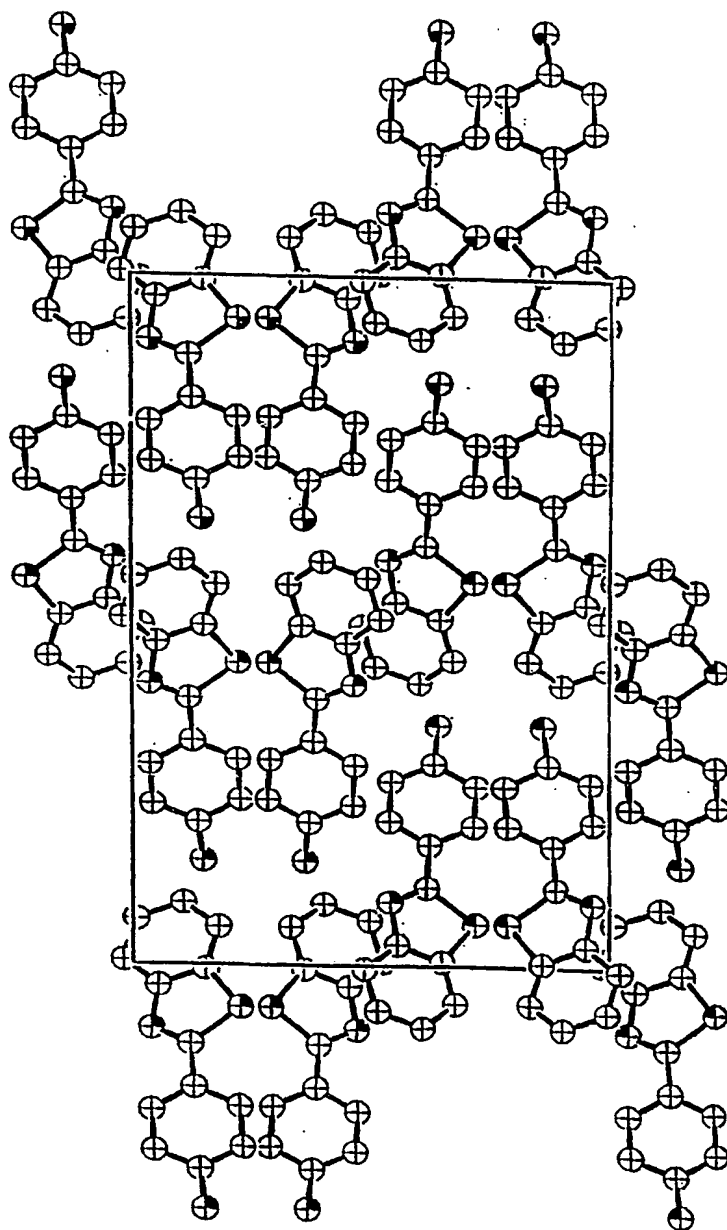


Figure 21

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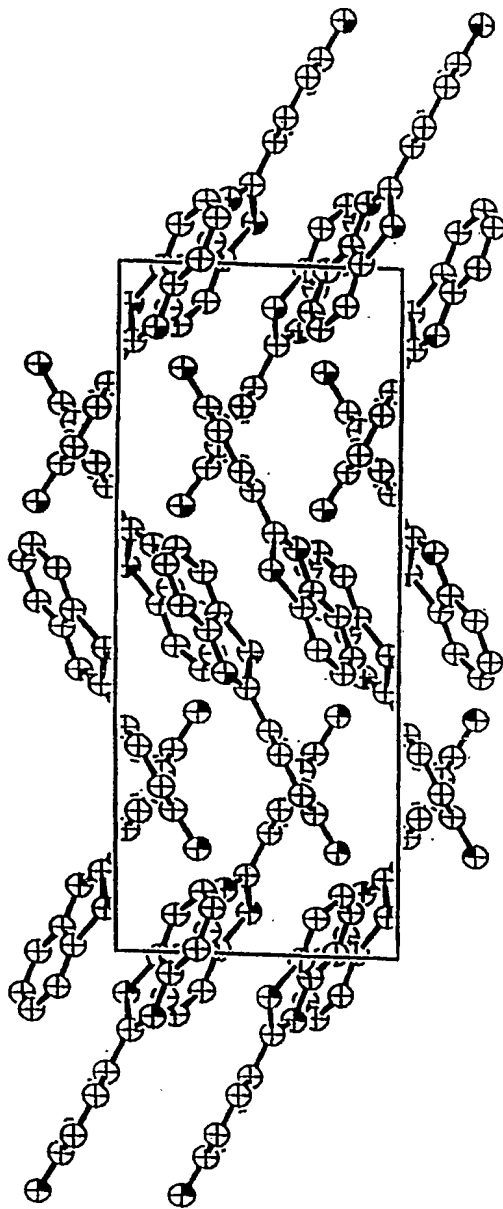


Figure 22

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Comparison of dimensions of active and
inactive molecules tested
(maximum, mean, minimum)

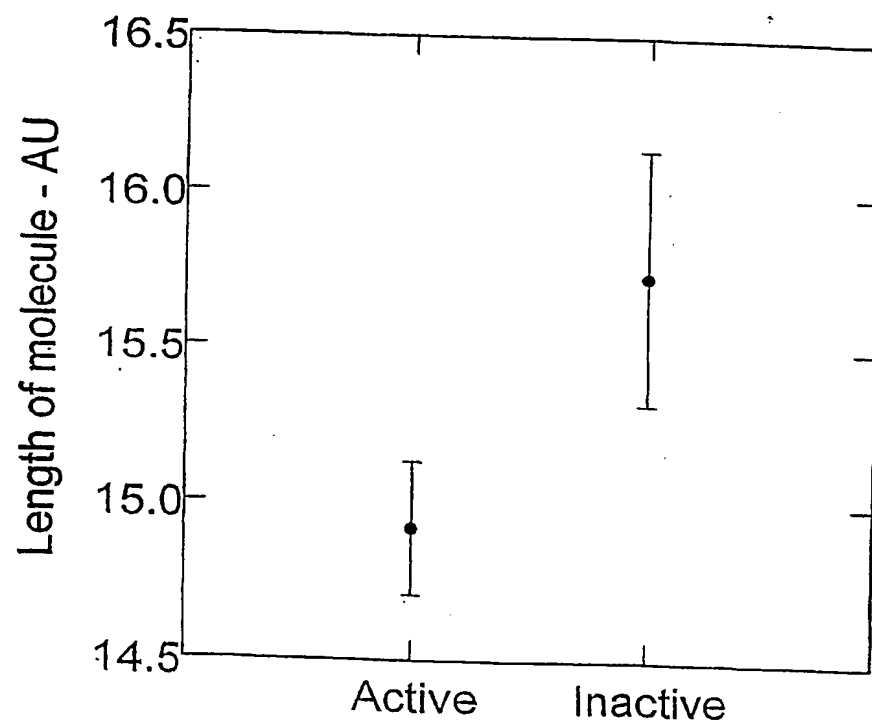


Figure 23

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Comparison of dimensions of
benzothiazole and diaminophenothiazine molecules
(maximum, mean, minimum)

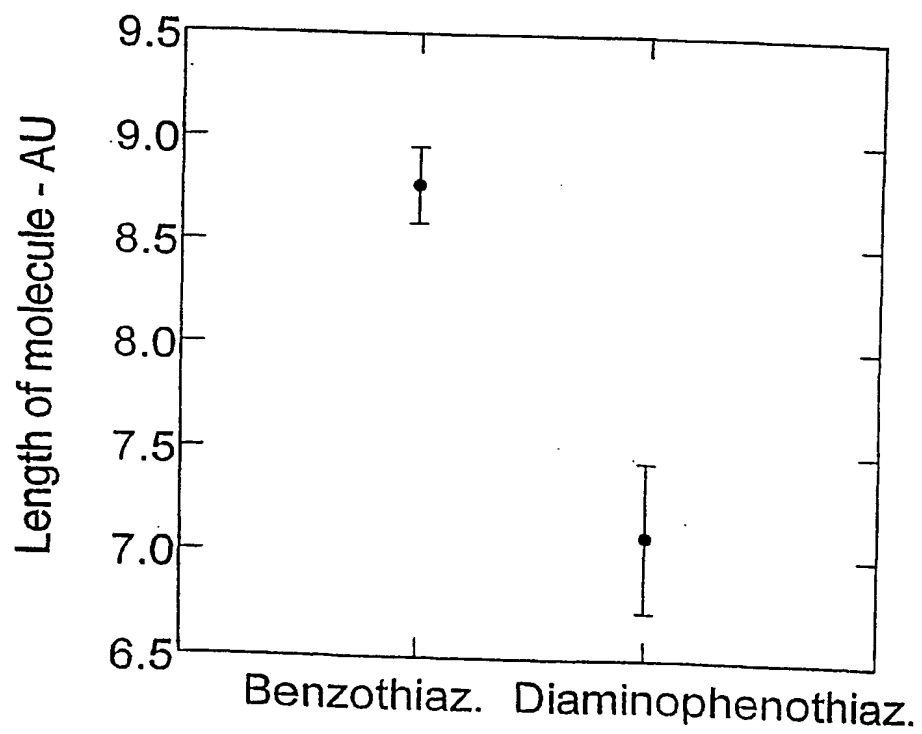


Figure 24

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PROBABILITY OF 423-T'S BY REGION AND STAGE

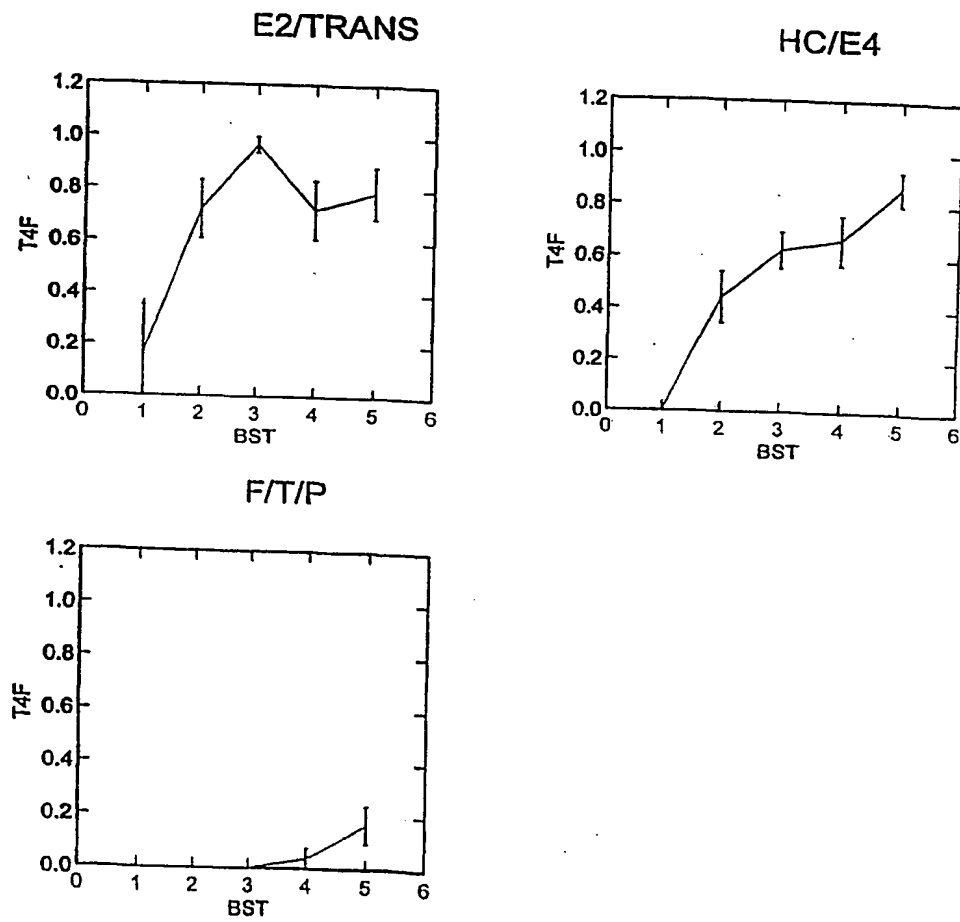


Figure 25

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PROBABILITY AT8-T'S BY REGION AND STAGE

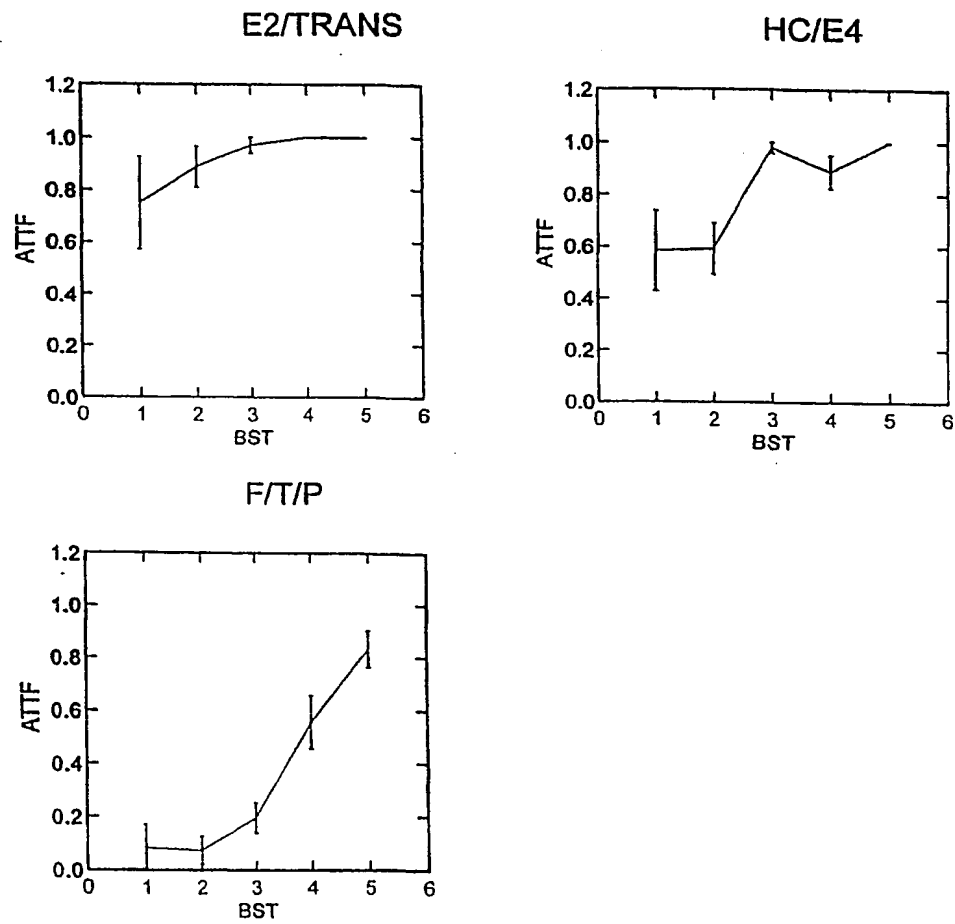


Figure 26

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PROBABILITY OF 423-T'S BY REGION AND STAGE
MMSE > 21

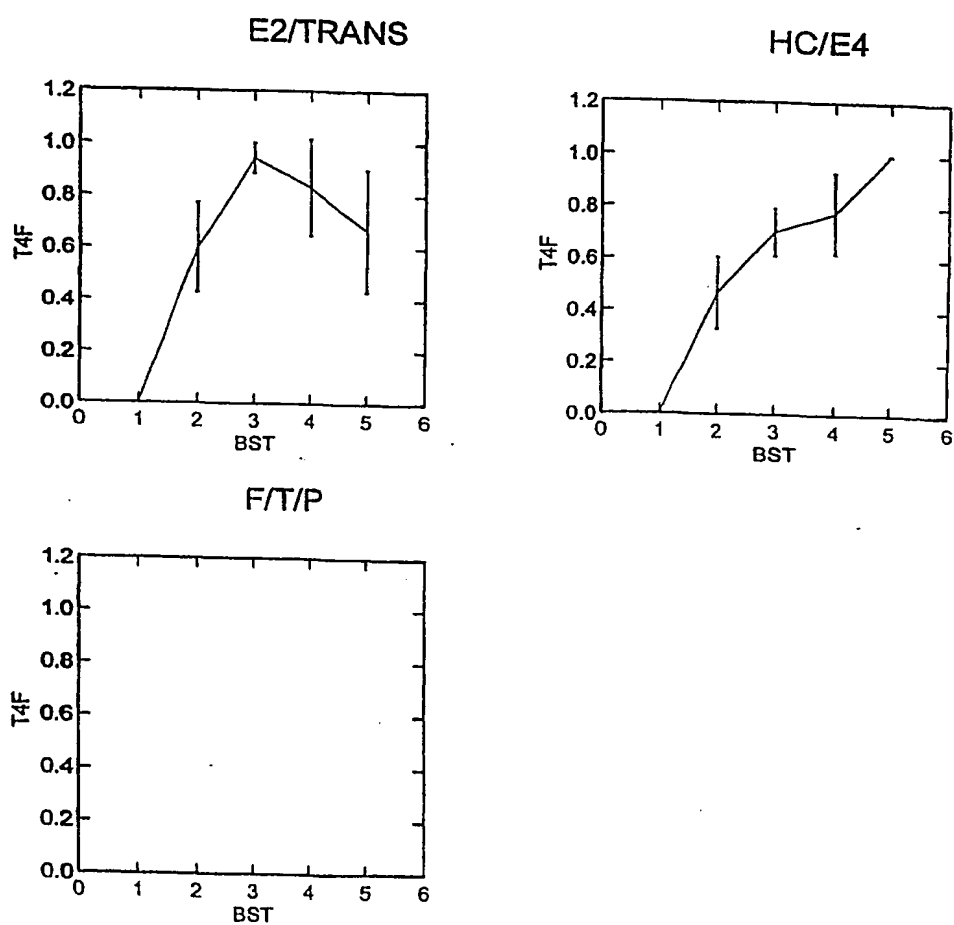


Figure 27

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PROBABILITY OF AT8-T'S BY REGION AND STAGE
MMSE > 21

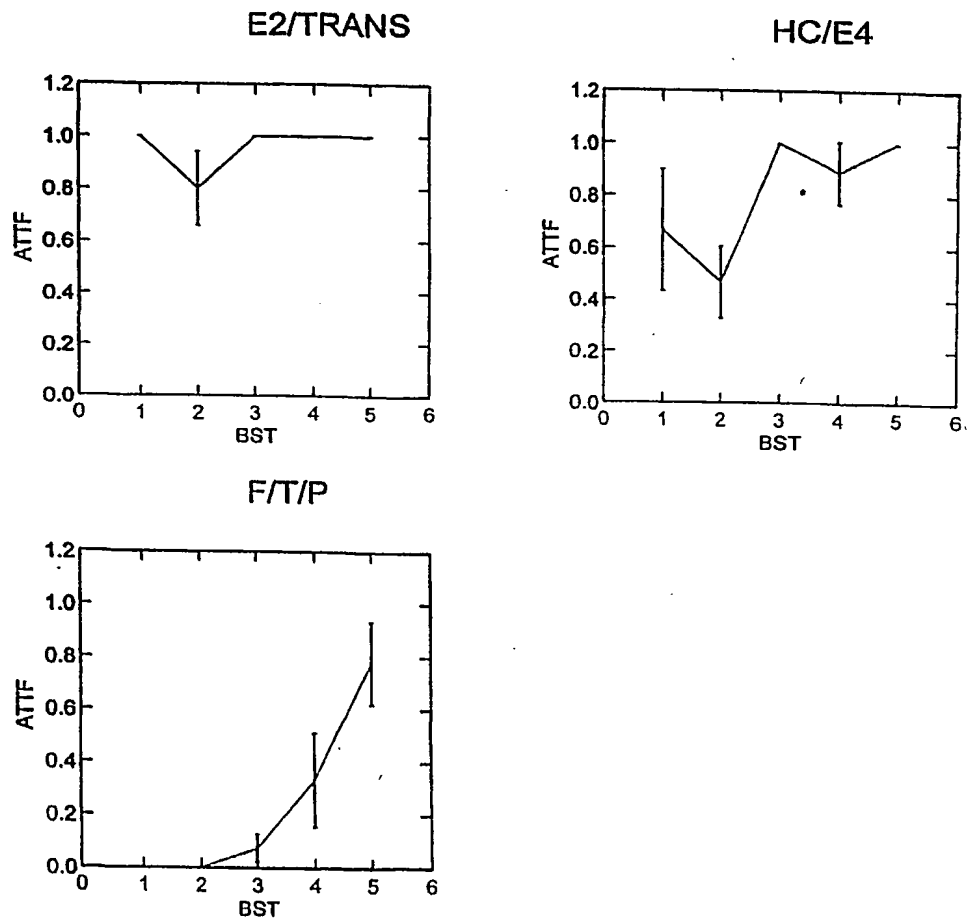


Figure 28

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DENSITY OF 423-T'S BY REGION AND STAGE

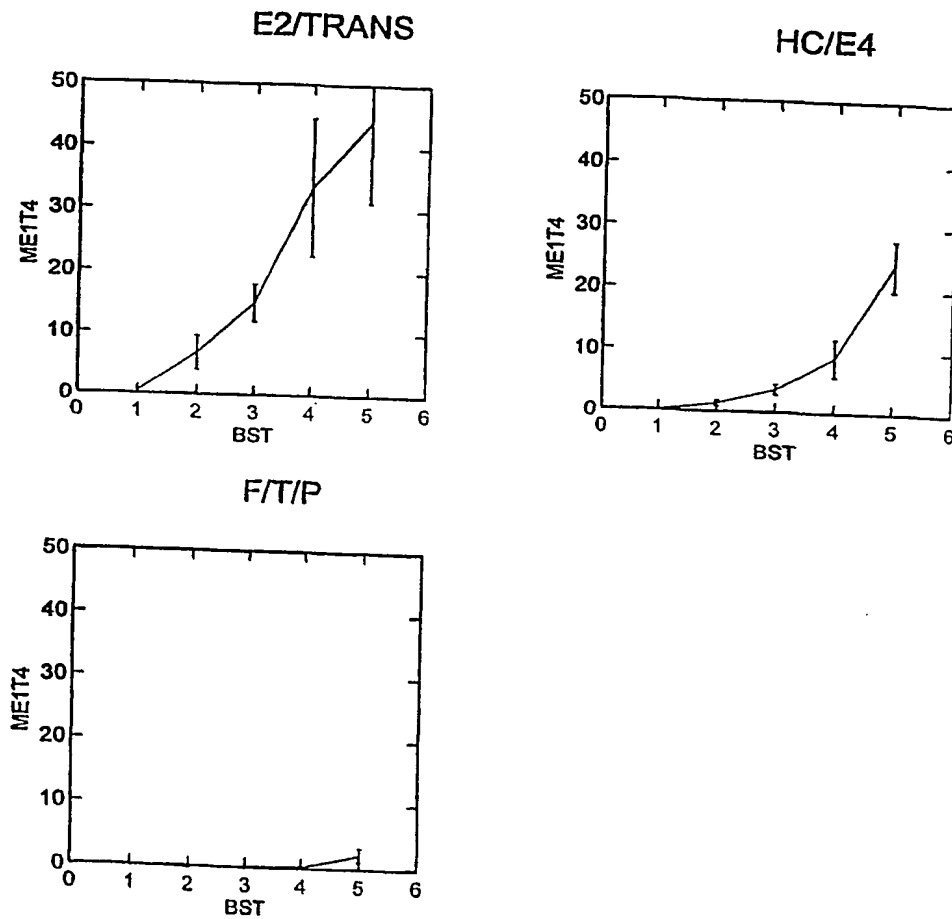


Figure 29

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DENSITY OF AT8-T'S BY REGION AND STAGE

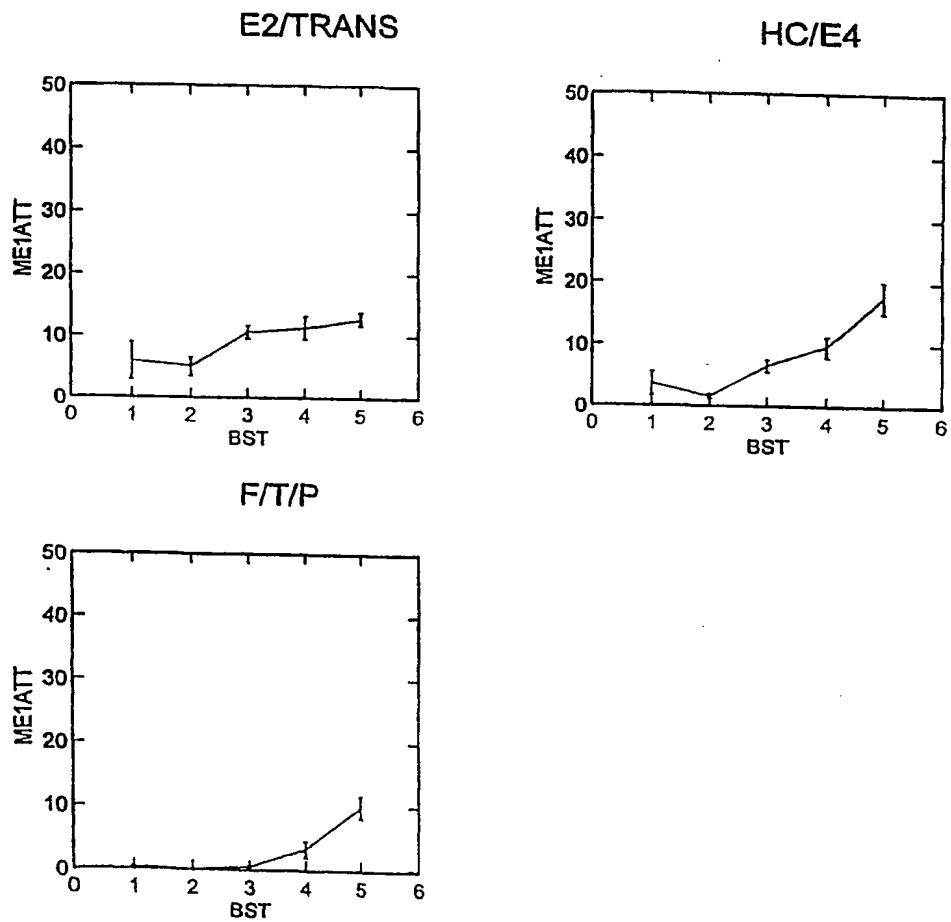


Figure 30

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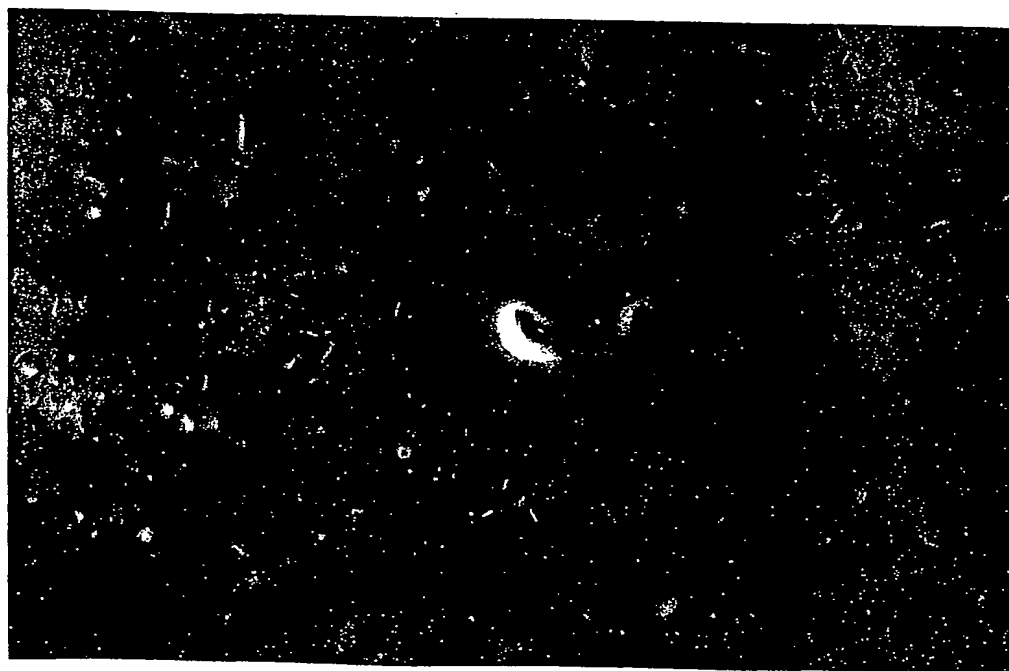
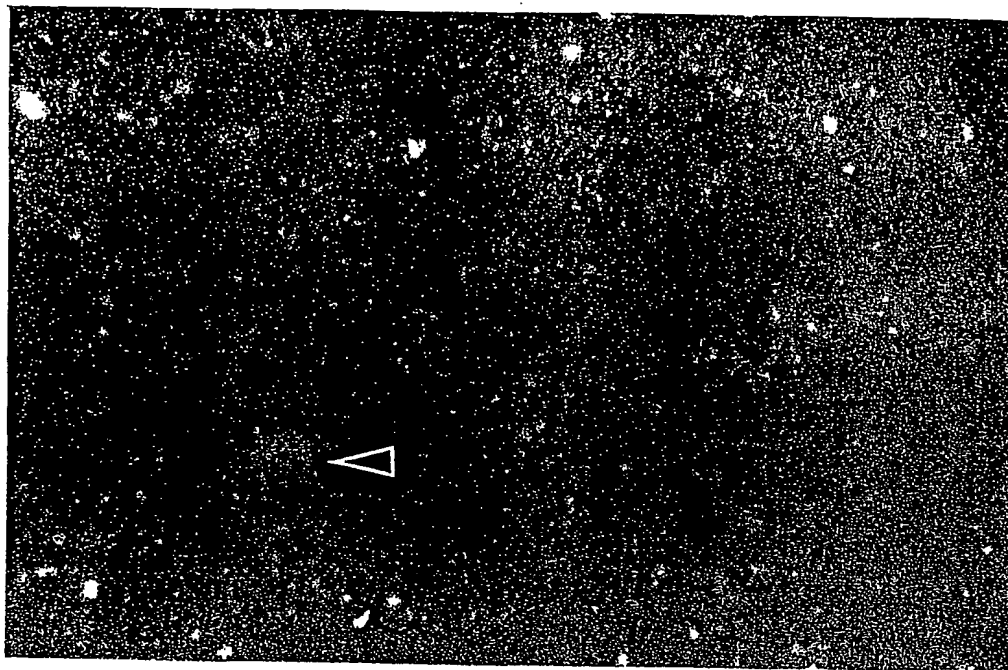


Figure 31a

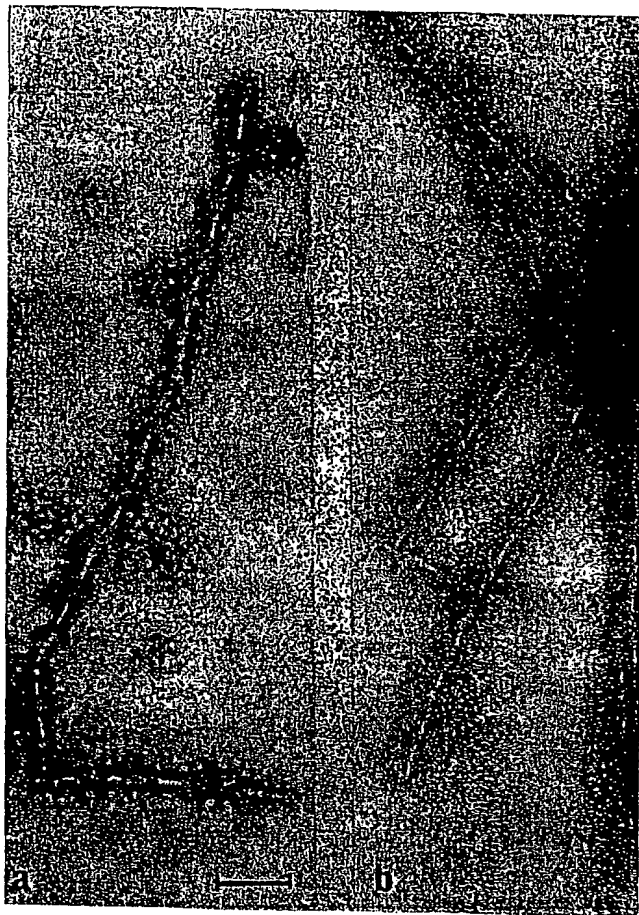


Figure 31b

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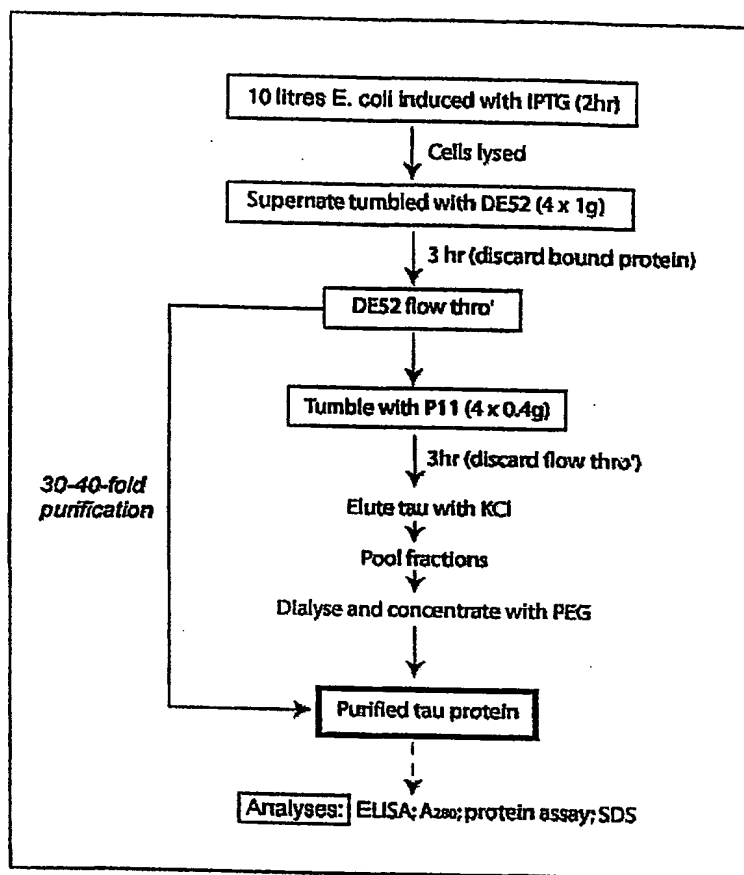


Figure 32

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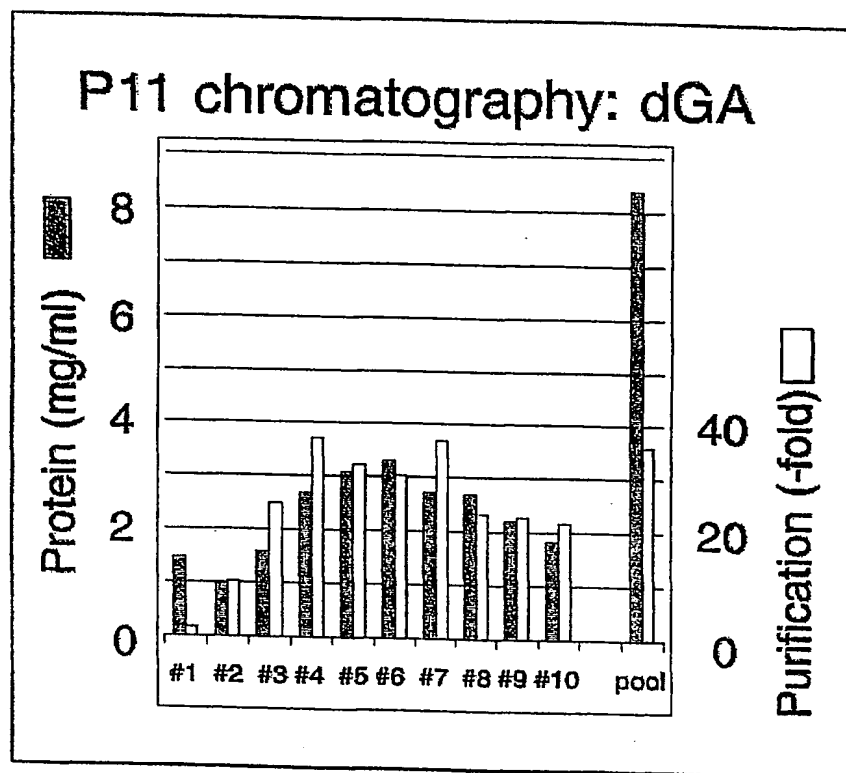


Figure 33

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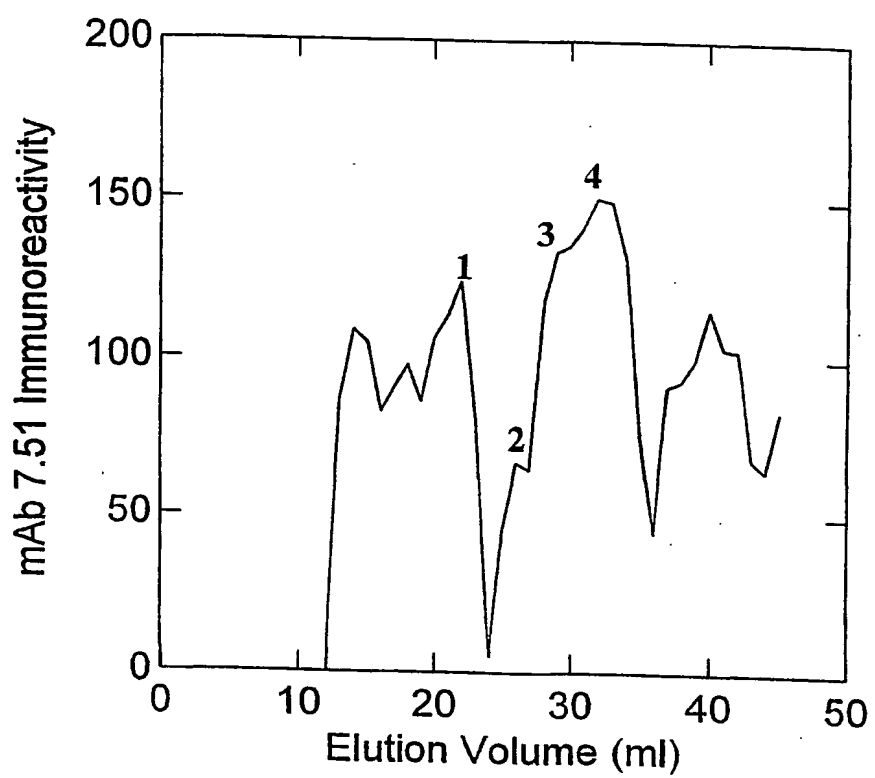


Figure 34

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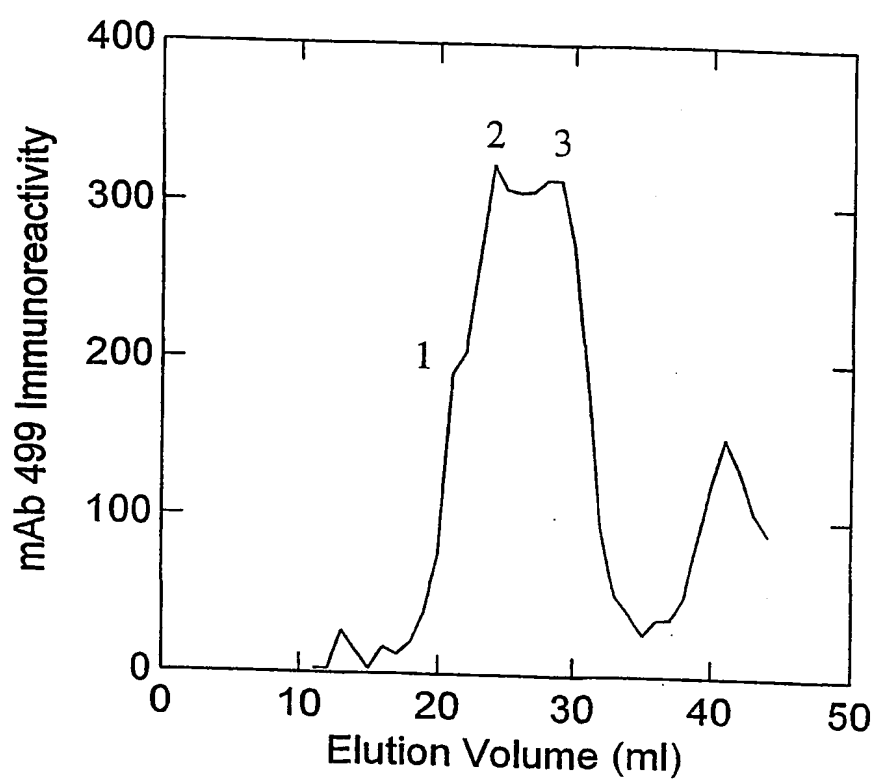
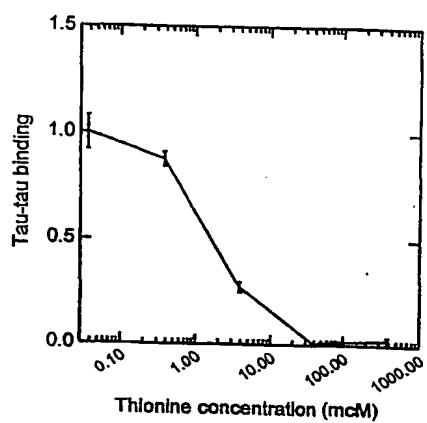


Figure 35

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Preparation 1

dGA 5 mcg/ml, dGAE 5 mcg/ml



Preparation 2

dGA 4 mcg/ml, dGAE 5 mcg/ml

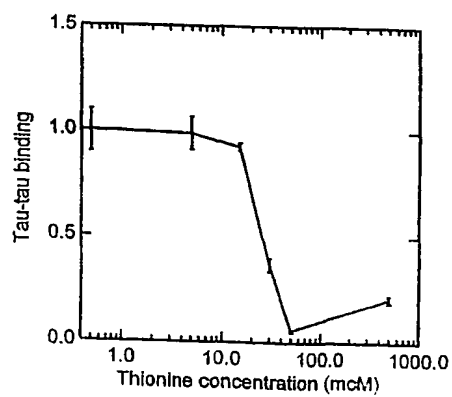
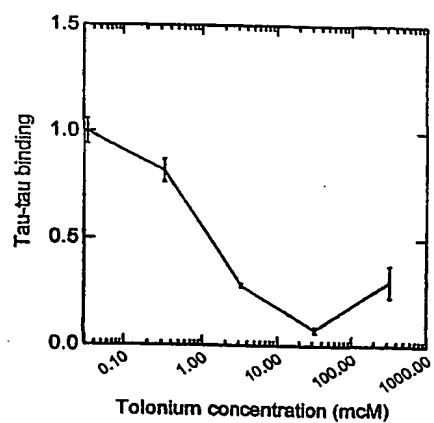


Figure 36

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Preparation 1

dGA 5 mcg/ml, dGAE 5 mcg/ml



Preparation 2

dGA 10 mcg/ml, dGAE 10 mcg/ml

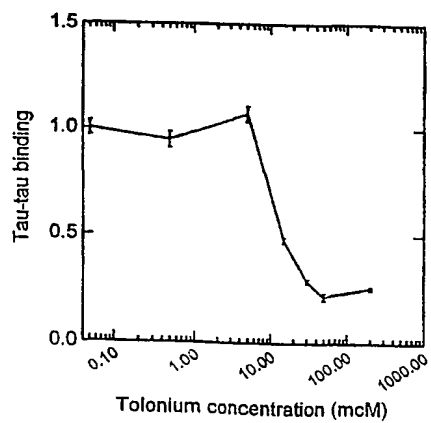
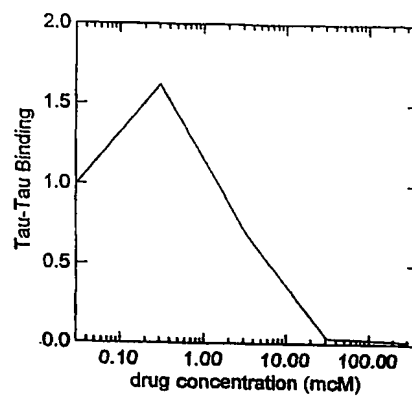


Figure 37

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Preparation 1



Preparation 2

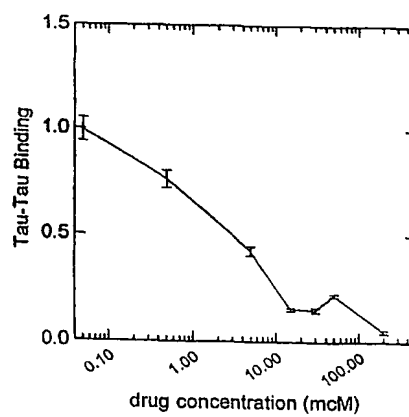


Figure 38

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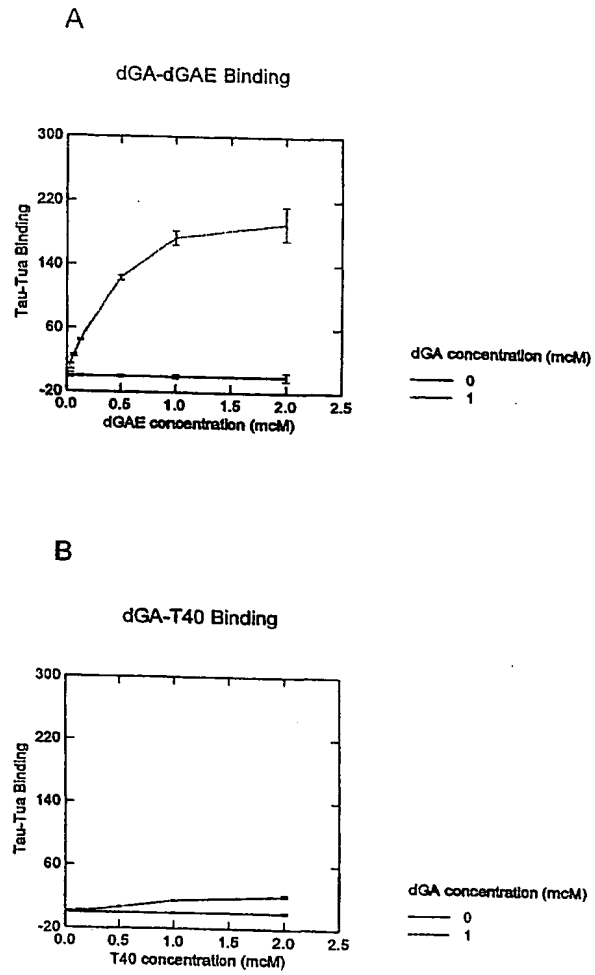


Figure 39a and 39b

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C

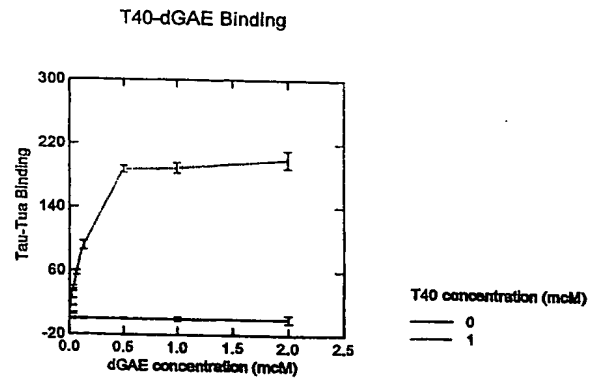


Figure 39c

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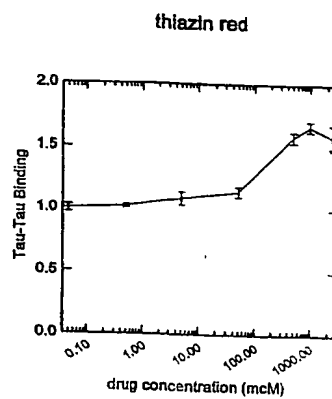
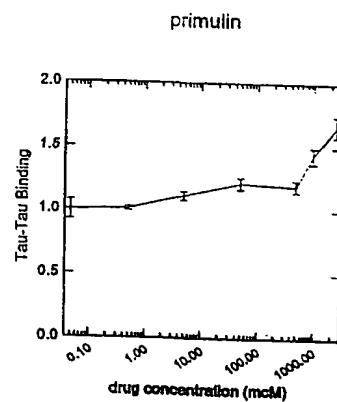
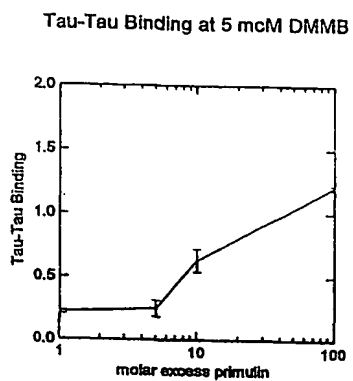


Figure 40

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(a)



(b)

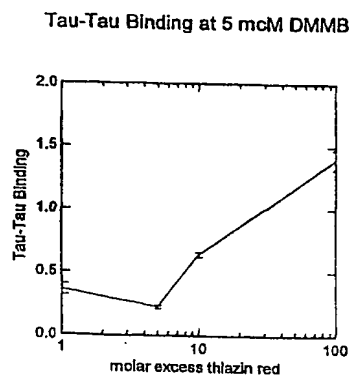
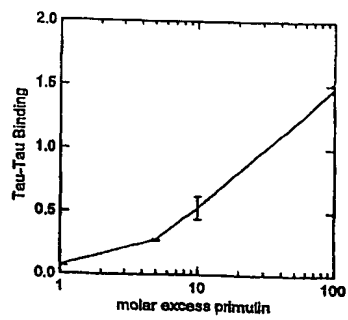


Figure 41a and 41b

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(c)

Tau-Tau Binding at 15 mM DMMB



(d)

Tau-Tau Binding at 15 mM DMMB

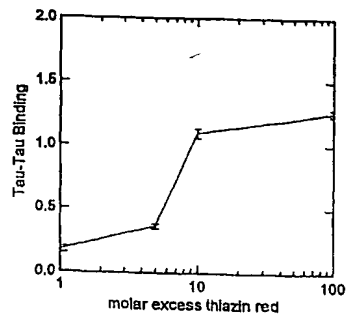


Figure 41c and 41d

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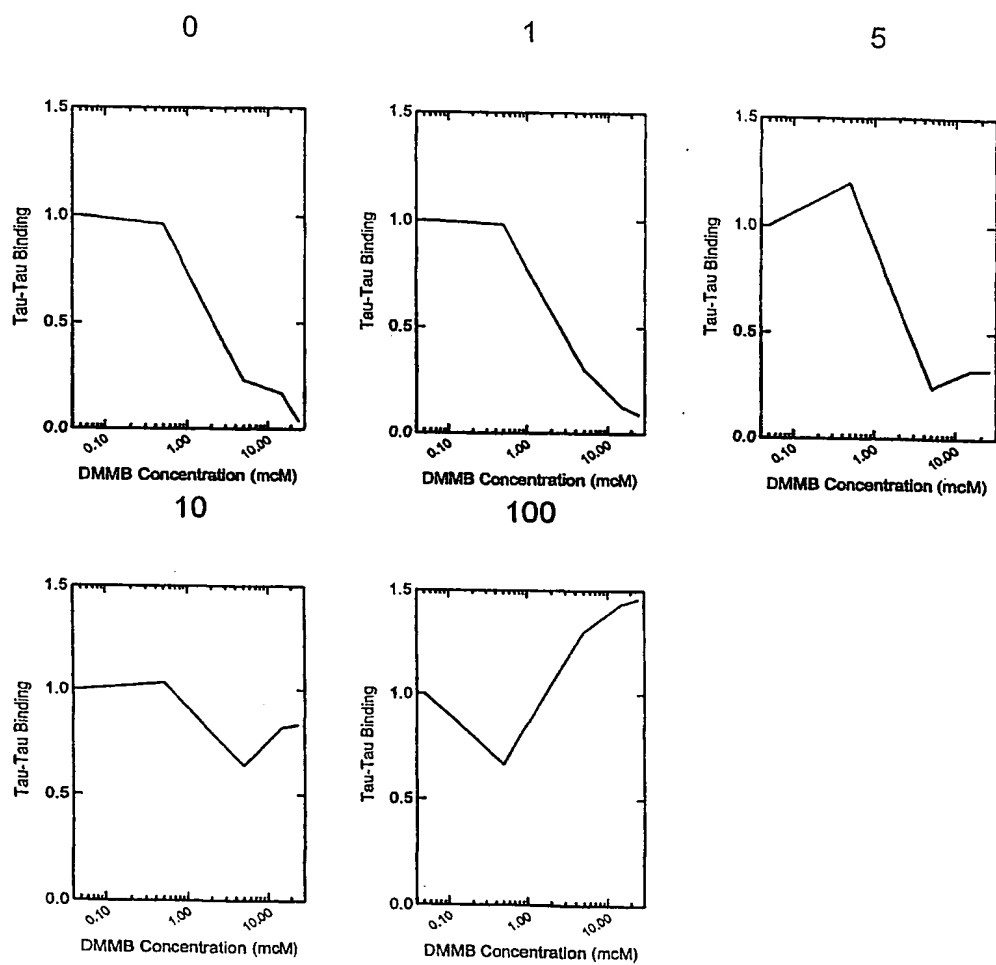


Figure 42

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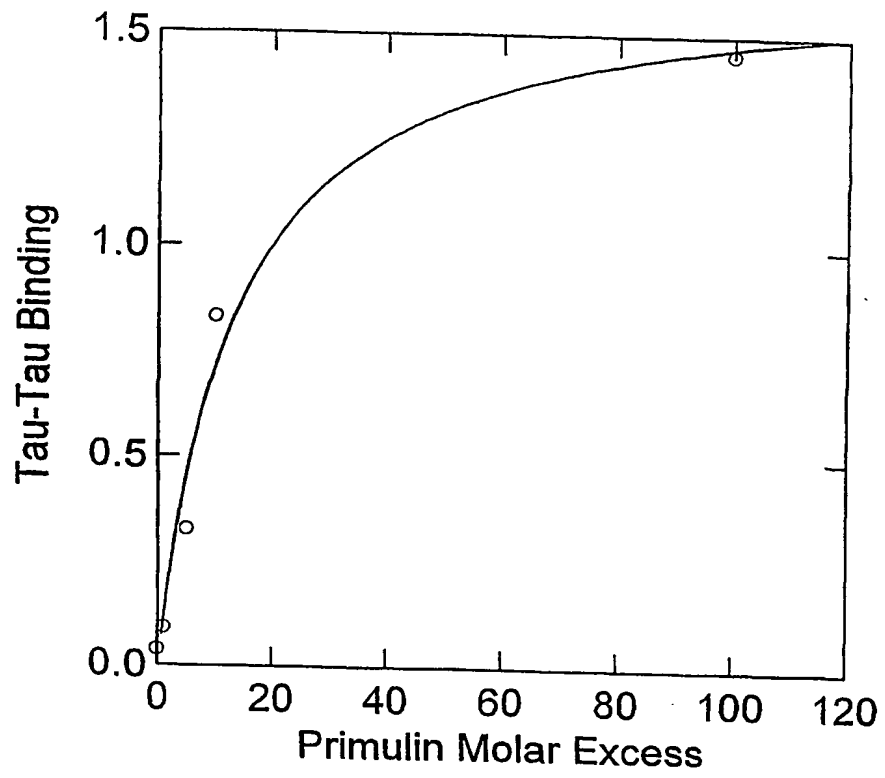


Figure 43

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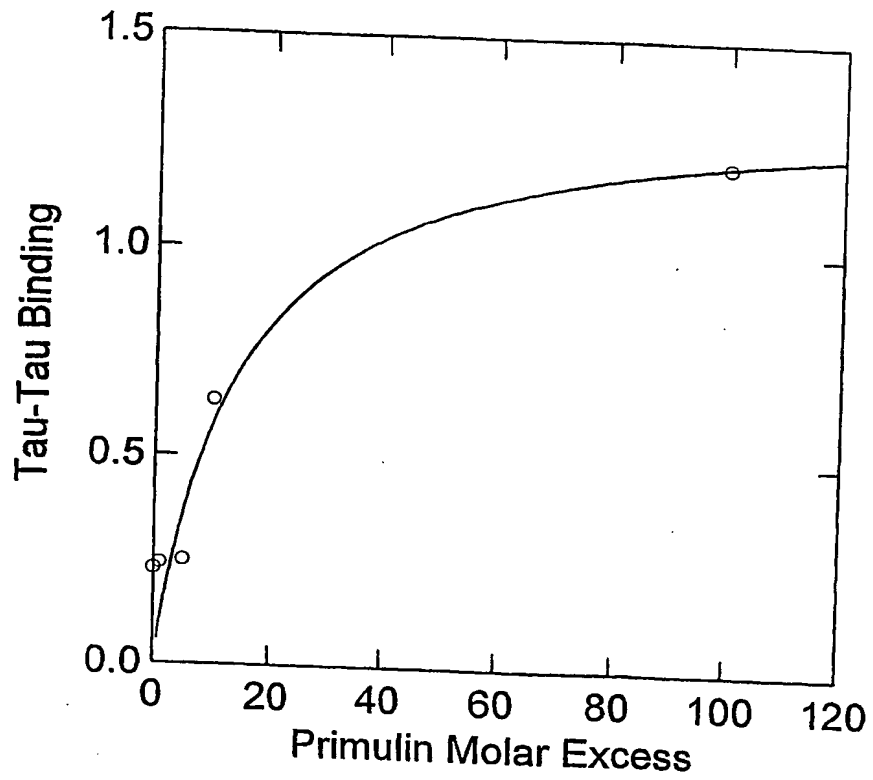


Figure 44

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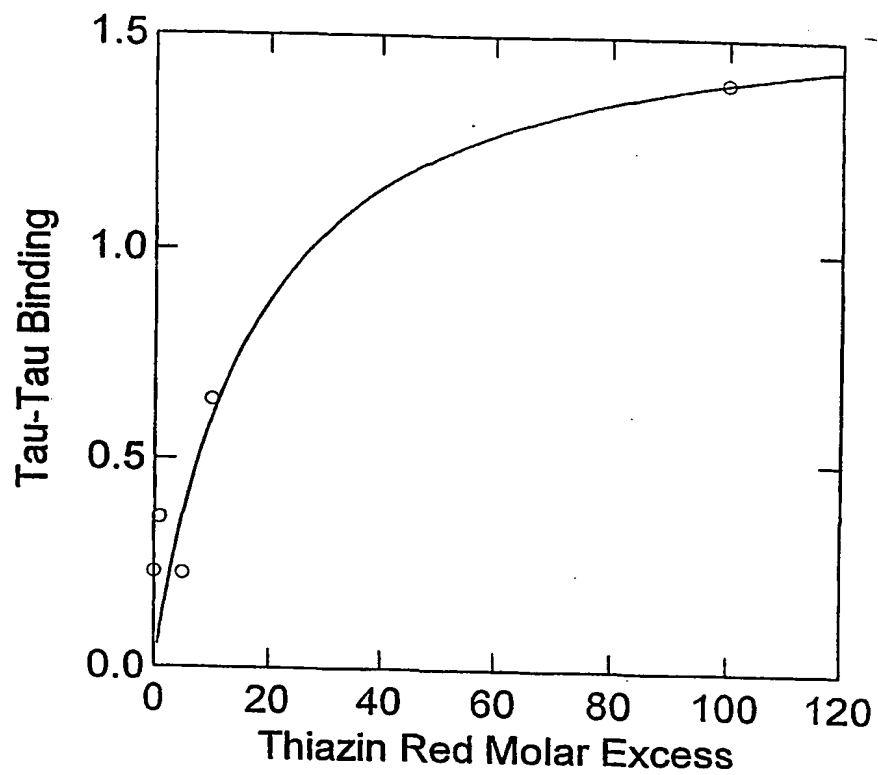


Figure 45